

Supplemental Table 5: Breath VOCs in UC and Normal Pouch Patients: Adjusted for Age and Gender

Factor	UC (N=11)	Normal Pouch (N=7)	p-value
2-propanol	85.5 (56.4, 129.7)	287.4 (169.4, 487.8)	0.002
acetaldehyde	40.0 (28.1, 57.0)	153.3 (97.9, 240.2)	<0.001
acetone	194.4 (120.5, 313.6)	952.4 (518.5, 1749.3)	<0.001
acetonitrile	11.8 (8.9, 15.5)	17.4 (12.2, 24.8)	0.09
acrylonitrile	1.1 (0.98, 1.2)	0.86 (0.74, 1.00)	0.017
benzene	3.4 (2.6, 4.5)	11.8 (8.3, 16.7)	<0.001
carbon disulfide	4.1 (3.3, 5.1)	9.7 (7.3, 12.8)	<0.001
dimethyl sulfide	2.9 (1.9, 4.5)	27.0 (15.4, 47.2)	<0.001
ethanol	110.1 (70.9, 170.8)	253.2 (144.8, 442.7)	0.028
isoprene	22.7 (17.2, 29.9)	120.2 (84.6, 170.6)	<0.001
pentane	17.6 (14.8, 20.9)	82.6 (66.2, 102.9)	<0.001
1-decene	5.4 (3.0, 9.7)	0.99 (0.47, 2.1)	0.002
1-heptene	10.0 (4.3, 23.3)	3.5 (1.2, 10.4)	0.14
1-nonene	4.1 (3.0, 5.7)	1.6 (1.07, 2.4)	0.002
1-octene	21.4 (12.4, 36.9)	3.9 (2.0, 7.9)	0.001
3-methylhexane	30.0 (25.9, 34.7)	63.1 (52.5, 76.0)	<0.001
(E)-2-nonene	2.5 (1.4, 4.5)	1.2 (0.54, 2.5)	0.13
ammonia	69.2 (50.0, 95.9)	41.1 (27.2, 62.2)	0.058
ethane	94.5 (75.9, 117.8)	160.6 (121.4, 212.3)	0.008
hydrogen sulfide	0.52 (0.34, 0.79)	0.30 (0.18, 0.51)	0.11
triethyl amine	1.1 (0.88, 1.4)	0.85 (0.62, 1.2)	0.17
trimethyl amine	8.3 (6.6, 10.5)	30.9 (22.9, 41.6)	<0.001

Values presented as Mean (95% CL) and were obtained using ANCOVA analysis. The logarithm of each VOC was modeled as the outcome variable with group, age and gender as the independent variables. VOC values are presented as parts per billion.